

KOREAN PATENT ABSTRACTS

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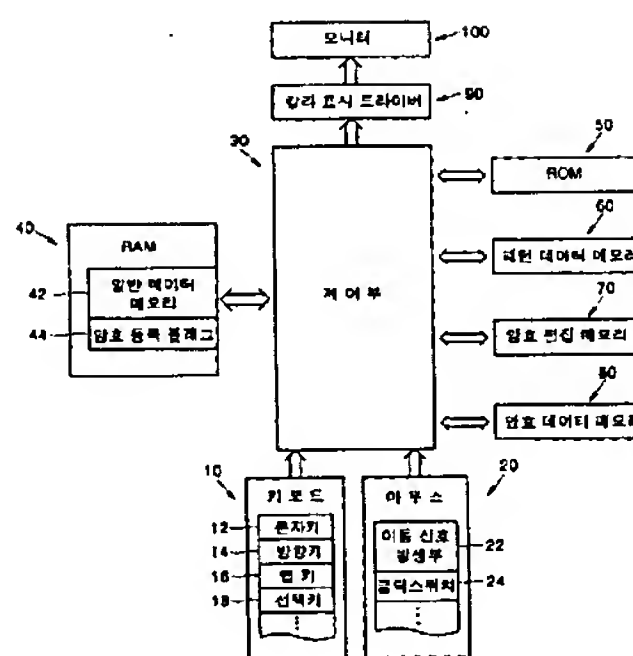
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(54) METHOD AND SYSTEM FOR AUTHENTICATING USER BY USING COLOR PATTERN

(57) Abstract:

PURPOSE: A user authentication method and system is provided to generate code data by using a color pattern irrespective of a selection order or number of colors and pattern units, and to increase the number of cases for generating code data by increasing the number of the selected color and pattern units so that it enables a user to easily memorize the color code and reduces hacking. CONSTITUTION: The system comprises a keyboard(10), a mouse(20), a controller(30), a RAM(40), a ROM(50), a pattern data memory(60), a code edition memory(70), a code data memory(80), a color display driver(90) and a monitor(100). The keyboard(10) and the mouse(20), connected to the controller(30), transfer data or instructions, input by a user, to the controller(30) by enabling the user to select colors and pattern units displayed on the monitor(100). The controller(30) controls the RAM(40), the ROM(50), the pattern data memory(60), the code edition memory(70) and the code data memory (80), processes the data or instructions input by the user, and transmits the processed result to the monitor(100) via the color display driver(90). The RAM(40) includes a general data memory for storing data modifiable by the user, and a code registration flag for expressing a state of a code registration. The ROM(50) stores a system program, a mode process program, and a control program for registering code data or comparing the code data. The pattern data memory(60) stores a plurality of colors and pattern units and their key values for generating comparison code data compared with code data previously registered or to be registered. The code edition memory(70) combines key values on at least one color and pattern unit selected by the user, and generates/stores registration code data or comparison code data. The code data memory(80) stores code data registered by the user.



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